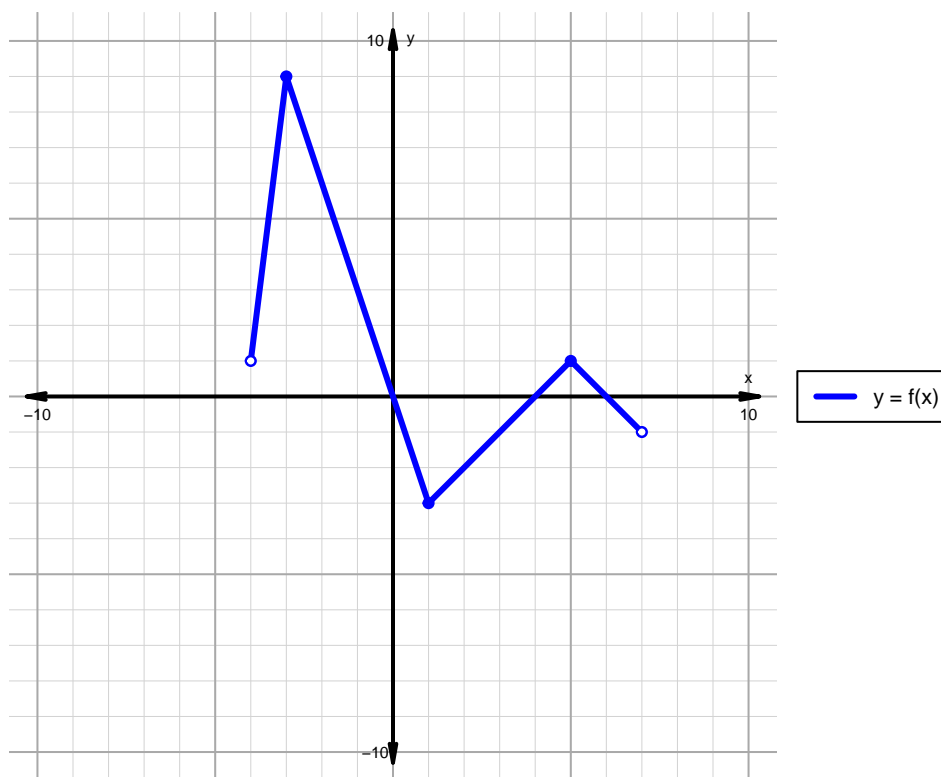


Name: \_\_\_\_\_

Date: \_\_\_\_\_

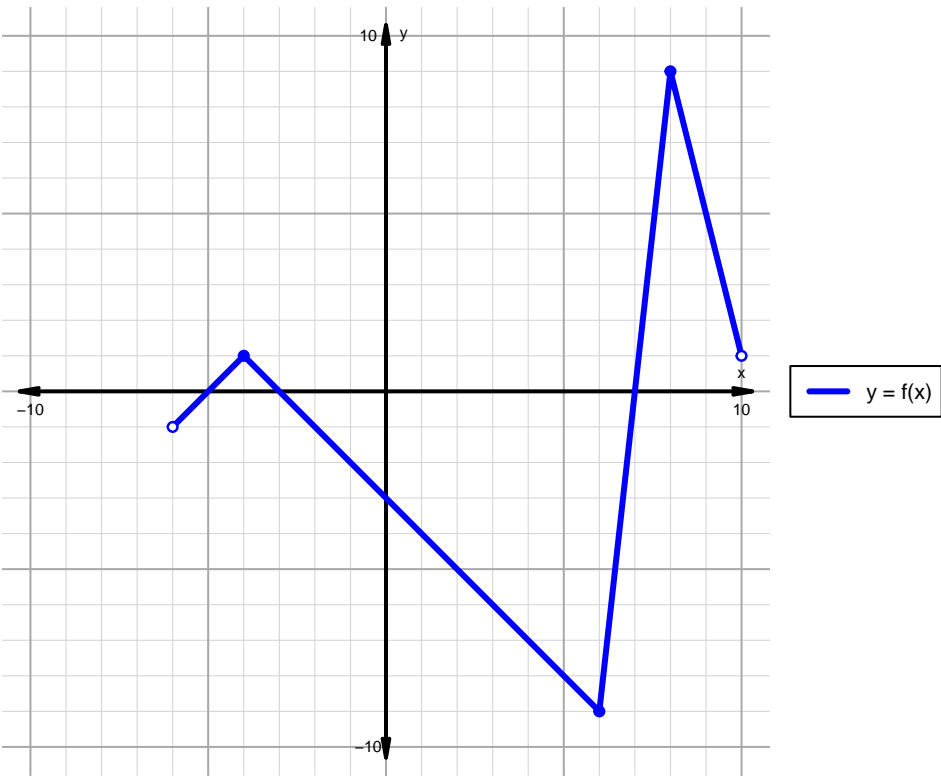
**Function-Feature Intervals (version 11)**1. The function  $f$  is graphed below.

Indicate the following intervals using interval notation. Remember, you can use  $\cup$  between two intervals to indicate the union. Except for range, all intervals will indicate  $x$  values; this is standard.

Feature	Where
Positive	$(-4, 0) \cup (4, 6)$
Negative	$(0, 4) \cup (6, 7)$
Increasing	$(-4, -3) \cup (1, 5)$
Decreasing	$(-3, 1) \cup (5, 7)$
Domain	$(-4, 7)$
Range	$(-3, 9)$

Function-Feature Intervals (version 11)

2. The function  $f$  is graphed below.



Indicate the following intervals using interval notation. Remember, you can use  $\cup$  between two intervals to indicate the union. Except for range, all intervals will indicate  $x$  values; this is standard.

Feature	Where
Positive	$(-5, -3) \cup (7, 10)$
Negative	$(-6, -5) \cup (-3, 7)$
Increasing	$(-6, -4) \cup (6, 8)$
Decreasing	$(-4, 6) \cup (8, 10)$
Domain	$(-6, 10)$
Range	$(-9, 9)$